



a)	BLC	= RP-II protease from Bacillus licheniformis	
b)	AA5	13 = RP-II protease from <i>Bacillus halmapalus</i> AA513	
c)	AC1	l6 = RP-II protease from Bacillus licheniformis AC1	16
d)	воз2	2 = RP-II <b>ø</b> rotease from <i>Bacillus pumilus</i> BO32	
e)	CDJ	31 = RP-II protease from <i>Bacillus licheniformis</i> CDJ3	31
f)	JA96	5 = RP-II protease from <i>Bacillus pumilus</i> JA96	
g)	MPR	= RP-II protease from Bacillus subtilis IS75	
a) b)	1	SVIGSDDRTRVTNTTAYPYRAIVHISSSIGSCTGWMIGPKTVATAG VVIGDDGRRQVQNTSFMPFRALTYIEFGNLTSTWSCSGGVIGTDLVVTNA	46
a) b)	47	HCIYDTSSGSFAGTATVSPGRNGTSYPYGSVKSTRYFIPSGWR.SGNTNYHCVEGSVL.AGTVVPGMNNSQWAYGHYRVTQIIYPDQYRNNGASEF	95
a) b)	96	DYGAIELSEPIGNTVGYFGYSYTTSSLVGTTVTISGYPGDKTAGT DYAILRVAPDSDGRHIGNRAGILSFTETGTVNENTFLRTYGYPGDKISET	140
a) b)	141	QWQHSG.PIAISETYKLQYAMDTYGGQSGSPVFEQSSSRTNCSGPC KLISLWGMVGRSDAFLHRDLLFYNMDTYFGQSGSPVLNSVDSMVAVHNAG	185
a) b)	186	SLAVHTNGVYGGSSYNRGTRITKEVFDNLTNWKNSAQ 222 YIVGGNREINGGPKIRRDFTNLFNQMN	
a) c)	1		50
a) c)	51	DTSSGSFAGTATVSPGRNGTSYPYGSVKSTRYFIPSGWRSGNTNYDYGAI DTASRSFAGTATVSPGRNGSAYPYGSVTSTRYFIPSGWQSGNSNYDYAAI	100
a) c)	101	ELSEPIGNTVGYFGYSYTTSSLVGTTVTISGYPGDKTAGTQWQHSGPIAI ELSQPIGNTVGYFGYSYTASSLAGAGVTISGYPGDKTTGTQWQMSGTIAV	150

Fig. 1a

a) 151 SETYKLQYAMDTYGGQSGSPVFEQSSSRTNCSGPCSLAVHTNGVYGGSSY 200 c) SETYKLQYAIDTYGGQSGSPVYEKSSSRTNCSGPCSLAVHTNGVYGGSSY

a) 201 NRGTRITKEVFDNLTNWKNSAQ 222 c) NRGTRITKEVFDNFTSWKNSAQ 222

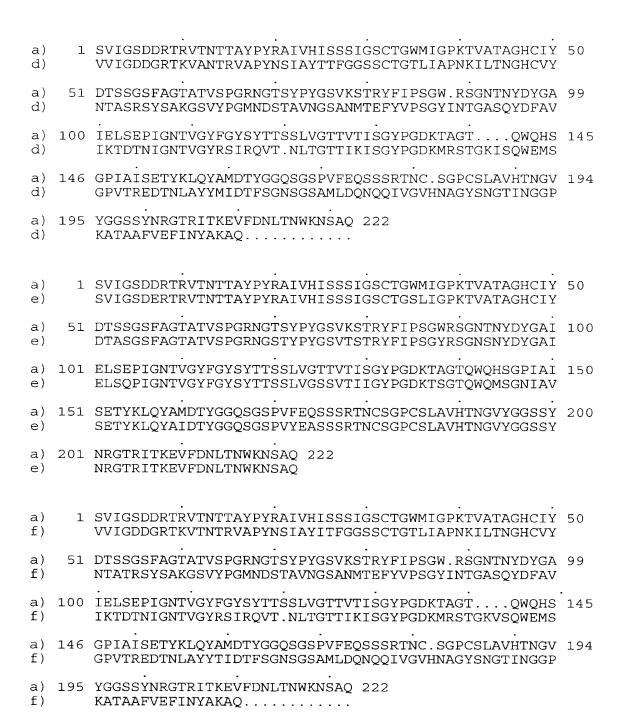


Fig. 1b

3) 3)	1	SVIGSDDRTRVTNTTAYPYRAIVHISSSIGSCTGWMIGPKTVAT SIIGTDERTRISSTTSFPYRATVQLSIKYPNTSSTYGCTGFLVNPNTVVT	44
a) J)	45	AGHCIYDTSSGSFAGTATVSPGRNGTSYPYGSVKSTRYFIPSGW.RSGNT AGHCVYSQDHG.WASTITAAPGRNGSSYPYGTYSGTMFYSVKGWTESKDT	93
a)	94	NYDYGAIELSEPIGNTVGYFGYSYT.TSSLVGTTVTISGYPGDKTAGTQW NYDYGAIKLNGSPGNTVGWYGYRTTNSSSPVGLSSSVTGFPCDKTFGTMW	142
a) g)	143	QHSGPIAISETYKLQYAMDTYGGQSGSPVFEQSSSRTNCSGPCSLAVHTN SDTKPIRSAETYKLTYTTDTYGCQSGSPVYRNYSDTGQTAIAIHTN	192
a) g)	193	GGSSYNRGTRITKEVFDNLTNWKNSAQ 222 GGSSYNLGTRVTNDVFNNIQYWANQ	

Fig. 1c

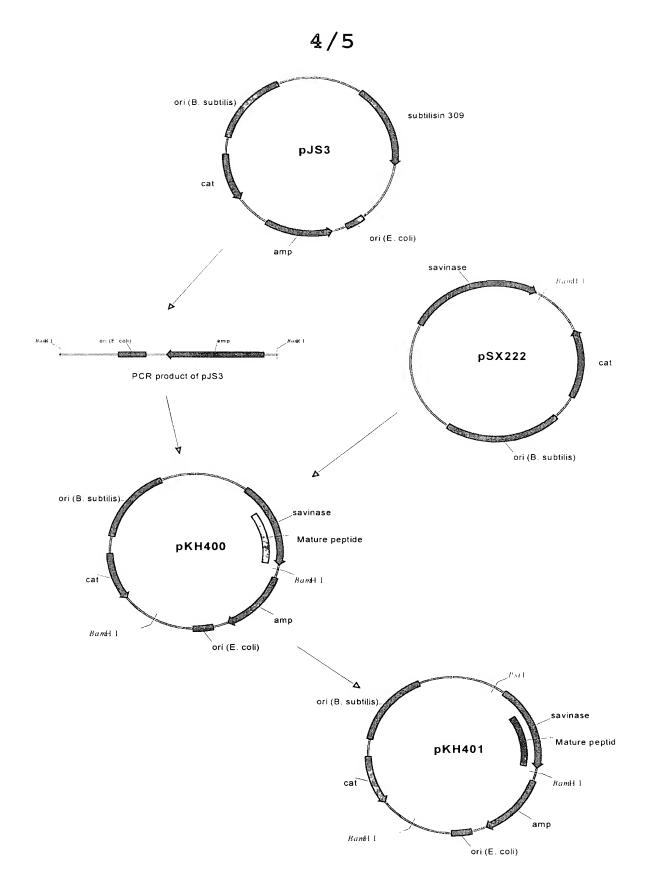


Fig 2a

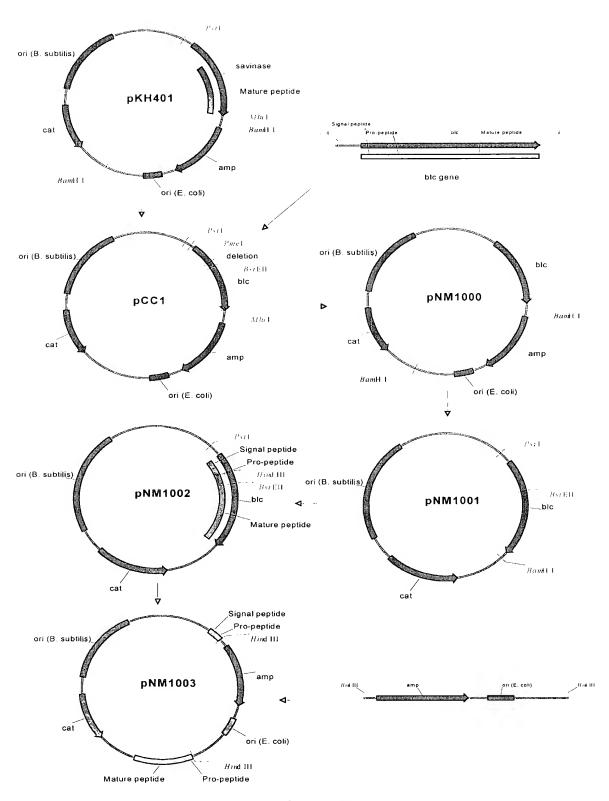


Fig 2b